

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ravi Narasimhan                      Art Unit:  
Serial No.:    Examiner:  
Filed : September 5, 2003  
Title : SPATIAL MULTIPLEXING WITH ANTENNA AND CONSTELLATION  
SELECTION FOR CORRELATED MIMO FADING CHANNELS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants call attention to the attached Information Disclosure Statement and documents listed on Form PTO-1449. Copies of the U.S. documents are not provided in accordance with the waiver posted on the U.S. Patent Office website.

This filing is being made with the filing of a new application. No fee is required.

The documents are in the English language; hence no concise explanation is necessary per Rule 98(a)(3).

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed form PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

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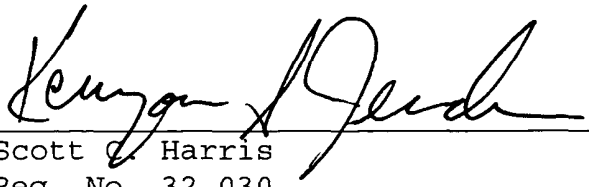
September 5, 2003

Date of Deposit

A Submission of Credit Card Payment for the filing fee is enclosed. Please apply any other required fees or any credits to deposit account 06-1050, referencing the attorney docket number 13361-050001.

Respectfully submitted,

Date: September 5, 2003

  
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Docket No. MP0256	Application No.
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Ravi Narasimhan	
		Filing Date September 5, 2003	Group Art Unit

### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,377,636 B1	4/23/2002	Paulraj, et al.			
	AB	6,452,981 B1	9/17/2002	Raleigh, et al.			
	AC	2002/0181390 A1	12/5/2002	Mody, et al.			
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	AE	2003/0043732 A1	3/6/2003	Walton, et al.			
	AF	2003/0043929 A1	3/6/2003	H. Sampath			
	AG						
	AH						
	AI						
	AJ						
	AK						

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	
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	AS	
	AT	

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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	